

Title: Contingency Operations**Objectives:**

- Verify SPSRs capability to handle an unanticipated resource change.
- Characterize effectiveness, usability, and timeliness of new SPSR tools.
- Train SO and fill out skills catalogs and Training Event Reports (TERs).
- Document Verification

Configuration:

System will be configured in the internal test configuration with the NTS configured to simulate the externals. All operator actions resulting in system output will be directed to NTS. (See Figure 1.)

Prerequisites:

- NSIA will configure system as pictured.
- Operator will review the SPSR User's Guide.
- All test and operator accounts are set up.
- Current event migration has been performed.

Data Source:

NTS

Ops Scenario: (Italicized steps are performed by NSIA, all others are performed by the operator.)

1. Review current schedule and TDRS assignments.
2. *Inform operator of TDRS reassignment.*
3. Perform necessary changes to resource database.
4. Verify events are validated against new resource availability.
5. Delete all invalid events.
6. Wait list all requests for the events deleted in step 5.
7. Verify that the wait listed requests begin to schedule.
8. Perform conflict resolution on the wait listed requests that fail to schedule.
9. *Verify transmission of appropriate schedule messages to SN customers and elements.*

Roles and Responsibilities:

SO:

- Complete the SO Position Log IAW Local Operating Procedures.
- Perform all Operator Actions Database Maintenance Activities.
- Respond to Alerts.
- Checkout redlined version of LOPs including, but not limited to:
 - NCC-LOP-002 OPM-59 Message Processing
 - NCC-LOP-006 OPM-54 WSC Scheduling Request Message Processing
 - SU-SO-LOP-001 Daily Review Event Logs
 - SU-SO-LOP-002 Console Position Log
 - SU-SO-LOP-003 Scheduling of TDRSS Customers
 - SU-SO-LOP-004 Communication Test Messages (CTM)
 - SU-SO-LOP-006 WSC Schedule Transmission/Retransmission
 - SU-SO-LOP-007 Shift Preparation Items
 - SU-SO-LOP-009 User Event Accountability Process
 - SU-SO-LOP-010 Scheduling S0200PMs for Blocking TDRS Resources

DRAFT

- SU-SO-LOP-011 BRTS Telemetry and Tracking Data message Playbacks
- SU-SO-LOP-012 OPM-54 Processing and Distribution
- SU-SO-LOP-015 TDRSS BRTS Scheduling
- SU-SO-LOP-016 Rescheduling of Events
- SU-SO-LOP-018 Verbal GN Support
- SU-SO-LOP-019 Playback Requests
- SU-SO-LOP-023 Scheduling an SN S/C Emergency When TDRSS Resources Are Already Allocated

NSIA:

- One NSIA engineer required.
- Configure system.
- Perform all italicized steps in test case.
- Observe/assist SO in completion of all other steps.

DOCS:

- Checkout redlined version of the following documents:
 - 532-HB-NCC/SO Scheduling Handbook (Real Time Section).
 - TBD SPSR User's Guide

Estimated Run Time: 0.5 hour

Written By: Melanie Wiedmann

Figure 1: Test Configuration

